

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1438634

Luminaire Tested: CB2-030U-120D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438634  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-030U-120D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

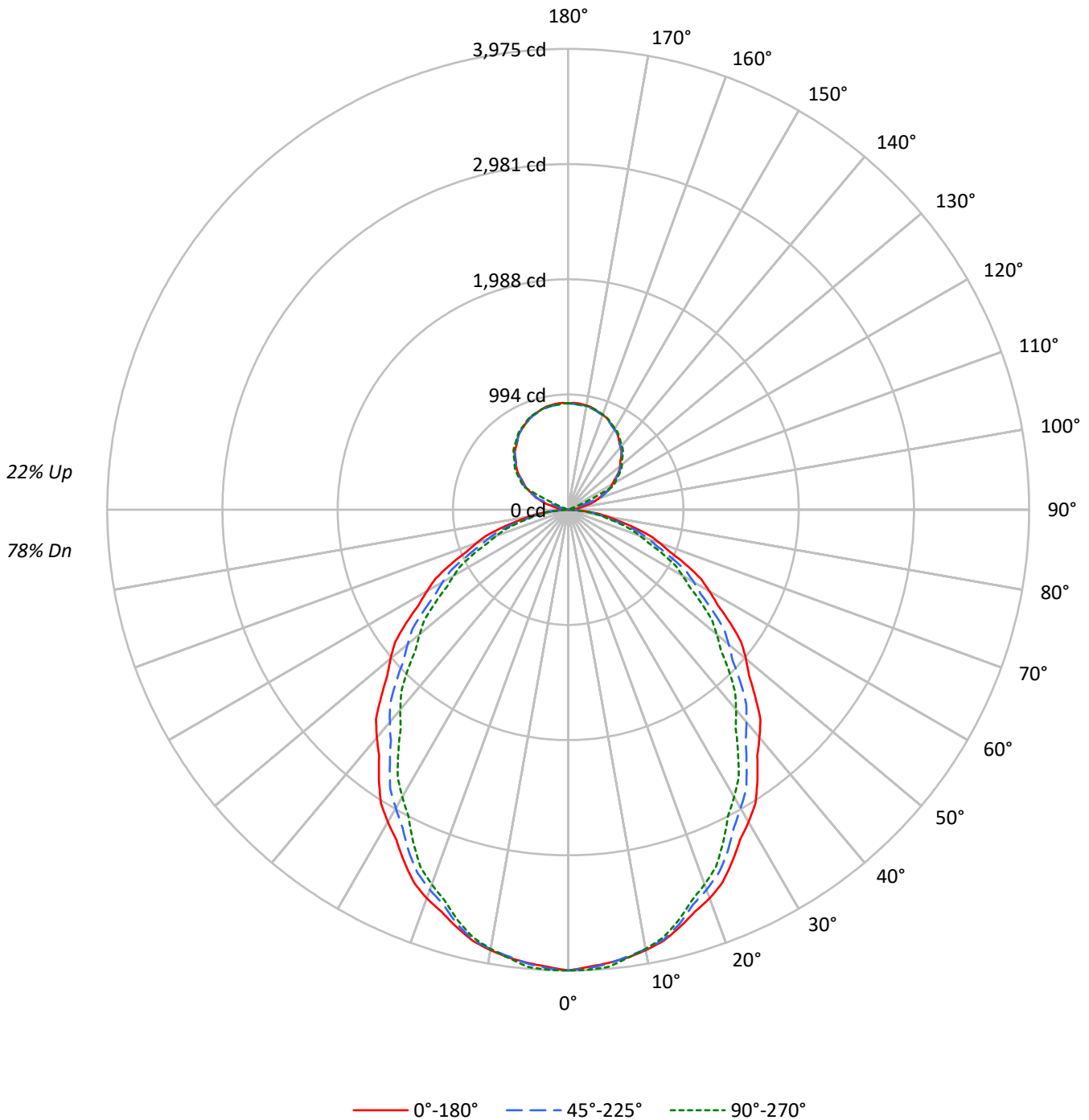
Lumens per Lamp: N/A  
Luminaire Lumens: 11882.9 lumens  
Efficiency: N/A  
Efficacy: 111.4 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 106.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78					78			
1	104	100	96	92	99	96	92	89	87	85	82	80	78	76	73	71	70					66				
2	95	88	81	76	91	84	78	73	77	72	68	70	67	64	64	62	59					56				
3	87	77	70	64	83	74	67	62	68	63	58	63	58	54	57	54	51					48				
4	80	69	61	54	76	66	59	53	61	55	50	56	51	47	51	47	44					41				
5	74	62	53	47	70	59	52	46	55	48	43	51	45	41	47	42	39					36				
6	68	56	47	41	65	54	46	40	50	43	38	46	40	36	42	38	34					32				
7	63	50	42	36	60	49	41	36	45	39	34	42	36	32	39	34	31					28				
8	59	46	38	33	56	44	37	32	41	35	30	39	33	29	36	31	27					25				
9	55	42	35	29	52	41	34	29	38	32	27	36	30	26	33	28	25					23				
10	52	39	32	27	49	38	31	26	35	29	25	33	28	24	31	26	23					21				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	34613	34613	34613
5°	34320	34373	34613
10°	34125	34044	34017
15°	33585	33365	33091
20°	33056	32323	31871
25°	32168	31261	30384
30°	31277	29899	28767
35°	30251	28505	27146
40°	29166	27194	25603
45°	28074	25825	24101
50°	27090	24491	22636
55°	25877	23104	21255
60°	24489	21786	19878
65°	23015	20318	18500
70°	21388	18674	16739
75°	19455	16898	15155
80°	17397	14805	13736
85°	13379	12160	10032

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 28074 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	373.8	3.1
10°-20°	1041.9	8.8
20°-30°	1498.1	12.6
30°-40°	1683.8	14.2
40°-50°	1626.6	13.7
50°-60°	1374.3	11.6
60°-70°	987.1	8.3
70°-80°	539.5	4.5
80°-90°	143.3	1.2
90°-100°	16.0	0.1
100°-110°	101.7	0.9
110°-120°	323.1	2.7
120°-130°	468.9	3.9
130°-140°	504.3	4.2
140°-150°	474.8	4.0
150°-160°	386.8	3.3
160°-170°	251.8	2.1
170°-180°	87.0	0.7
0°-30°	2913.7	24.5
0°-40°	4597.5	38.7
0°-60°	7598.4	63.9
0°-90°	9268.4	78.0
90°-120°	440.8	3.7
90°-150°	1888.8	15.9
90°-180°	2614.0	22.0
0°-180°	11882.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3975	3975	3975	3975	3975	
5°	3926	3980	3932	3933	3959	373
15°	3725	3758	3701	3664	3670	1050
25°	3348	3351	3253	3180	3162	1541
35°	2846	2813	2681	2577	2553	1778
45°	2280	2232	2097	1987	1957	1761
55°	1704	1642	1522	1427	1400	1524
65°	1117	1075	986	916	898	1108
75°	578	542	502	462	450	619
85°	134	125	122	106	100	159
90°	0	0	0	1	1	7
95°	36	10	11	7	7	46
105°	191	198	20	23	24	201
115°	361	369	373	377	216	355
125°	513	522	522	531	538	459
135°	646	654	652	656	665	498
145°	756	762	756	757	767	472
155°	839	844	835	834	845	387
165°	895	898	888	885	894	253
175°	922	924	912	906	910	88
180°	917	917	917	917	917	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3974.6	3974.6	3974.6	3974.6	3974.6
2.5°	3947.8	3995.4	3960.0	3965.0	3972.2
5°	3925.9	3979.5	3932.0	3932.6	3959.4
7.5°	3897.9	3948.5	3888.8	3877.8	3902.8
10°	3859.0	3909.5	3849.8	3828.9	3846.8
12.5°	3807.8	3856.0	3798.7	3765.6	3781.1
15°	3725.1	3757.8	3700.7	3664.3	3670.3
17.5°	3635.0	3655.2	3572.9	3542.3	3536.4
20°	3566.8	3584.7	3487.7	3444.9	3439.0
22.5°	3479.2	3494.6	3392.7	3340.2	3331.9
25°	3347.7	3350.7	3253.3	3179.9	3162.0
27.5°	3210.1	3200.6	3092.6	3005.7	2982.5
30°	3110.3	3098.4	2973.3	2881.6	2860.7
32.5°	3003.2	2981.7	2856.5	2757.4	2736.6
35°	2845.5	2812.8	2681.2	2577.2	2553.4
37.5°	2677.5	2640.6	2511.4	2398.2	2371.4
40°	2565.5	2523.9	2392.1	2278.9	2252.1
42.5°	2453.5	2407.1	2272.8	2159.5	2130.3
45°	2279.5	2231.9	2096.9	1986.6	1956.9
47.5°	2113.9	2053.2	1922.2	1812.5	1782.8
50°	1999.5	1934.0	1807.7	1700.6	1670.8
52.5°	1882.6	1814.8	1693.3	1591.0	1561.2
55°	1704.3	1641.8	1521.7	1426.7	1399.9
57.5°	1527.8	1467.6	1357.9	1267.3	1241.1
60°	1406.0	1355.4	1250.8	1165.1	1141.3
62.5°	1289.2	1243.3	1143.7	1065.2	1041.4
65°	1116.9	1075.2	986.0	915.6	897.8
67.5°	949.5	907.9	835.7	772.5	752.3
70°	840.0	798.3	733.4	675.2	657.4
72.5°	735.3	691.2	638.5	585.2	572.1
75°	578.2	542.5	502.2	462.3	450.4
77.5°	439.5	404.9	375.5	347.5	344.5
80°	346.9	317.2	295.2	276.9	273.9
82.5°	259.3	236.7	222.2	208.8	208.2
85°	133.9	125.0	121.7	106.4	100.4
87.5°	39.0	39.0	34.1	29.3	29.3
90°	0.0	0.0	0.0	0.7	0.7
92.5°	10.1	3.9	2.7	3.8	3.8
95°	36.5	10.5	11.3	7.3	6.6
97.5°	75.7	17.0	16.3	17.9	18.6
100°	105.4	34.8	17.9	20.6	21.2
102.5°	138.3	130.9	18.4	22.2	23.3
105°	190.9	198.1	19.9	23.2	24.5
107.5°	242.7	249.8	92.6	24.0	25.3
110°	277.1	284.3	293.0	24.6	25.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	309.5	318.2	324.9	54.7	26.9
115°	361.3	369.1	372.6	376.9	216.1
117.5°	407.1	416.7	420.6	428.1	435.3
120°	438.9	448.0	450.8	458.3	466.1
122.5°	470.2	478.2	480.0	488.5	495.8
125°	513.1	522.2	522.4	531.2	538.3
127.5°	556.1	563.9	563.5	570.1	578.0
130°	584.8	589.9	590.1	595.6	604.0
132.5°	608.6	615.9	616.0	620.5	628.9
135°	645.7	653.5	652.4	656.5	665.0
137.5°	680.6	688.1	686.1	689.6	698.3
140°	703.4	709.9	706.7	710.3	720.0
142.5°	724.6	731.1	726.4	729.4	739.6
145°	755.8	761.6	756.5	757.3	767.1
147.5°	783.5	789.2	783.0	783.9	792.9
150°	801.5	806.7	798.9	799.8	808.8
152.5°	817.5	822.1	813.7	813.6	824.2
155°	839.3	844.5	835.4	833.6	845.3
157.5°	859.2	864.0	854.9	853.6	862.7
160°	872.5	875.7	866.5	864.7	873.8
162.5°	881.5	885.3	876.1	873.2	882.3
165°	895.0	897.6	888.4	884.6	893.7
167.5°	906.7	909.7	897.8	894.5	904.2
170°	913.6	915.5	903.6	899.2	908.9
172.5°	917.8	919.3	907.4	902.3	908.9
175°	921.5	923.5	911.6	905.7	910.3
177.5°	922.2	923.2	914.3	909.1	916.9
180°	916.9	916.9	916.9	916.9	916.9

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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	21.59	22.76	22.27	23.45	24.25	20.49	21.66	21.17	22.35	23.15
	3H	23.26	24.31	23.95	25.01	25.85	22.04	23.09	22.73	23.79	24.63
	4H	23.90	24.89	24.61	25.60	26.45	22.63	23.61	23.34	24.33	25.18
	6H	24.32	25.23	25.04	25.95	26.82	23.02	23.93	23.74	24.65	25.51
	8H	24.48	25.34	25.21	26.08	26.95	23.16	24.03	23.90	24.77	25.64
	12H	24.56	25.39	25.30	26.12	27.02	23.24	24.06	23.98	24.80	25.70
4H	2H	22.04	23.02	22.75	23.73	24.59	21.16	22.15	21.87	22.86	23.71
	3H	23.93	24.75	24.66	25.50	26.37	22.92	23.75	23.65	24.50	25.37
	4H	24.69	25.44	25.43	26.19	27.09	23.61	24.36	24.35	25.11	26.01
	6H	25.23	25.87	25.99	26.65	27.56	24.10	24.75	24.86	25.52	26.43
	8H	25.44	26.04	26.20	26.81	27.74	24.30	24.90	25.06	25.67	26.60
	12H	25.56	26.10	26.34	26.90	27.82	24.40	24.94	25.18	25.74	26.66
8H	4H	24.87	25.47	25.63	26.25	27.17	23.91	24.51	24.67	25.28	26.20
	6H	25.52	26.02	26.32	26.84	27.76	24.52	25.02	25.32	25.84	26.76
	8H	25.82	26.26	26.62	27.08	28.02	24.80	25.25	25.61	26.06	27.00
	12H	26.01	26.40	26.81	27.20	28.20	24.96	25.36	25.77	26.16	27.16
12H	4H	24.86	25.41	25.65	26.20	27.13	23.92	24.47	24.71	25.26	26.19
	6H	25.56	26.00	26.36	26.82	27.75	24.59	25.03	25.39	25.85	26.79
	8H	25.89	26.28	26.69	27.08	28.08	24.91	25.30	25.71	26.10	27.10